

**WHAT IS CLAIMED IS:**

1. A motor control apparatus comprising:  
a rotational position sensor which detects a rotational position of a rotor of a motor when a rectangular wave control of the motor is executed;  
correction means for correcting an output of the rotational position sensor on the basis of a difference in a time interval from a reference time until each control time of the motor in the rectangular wave control; and  
control means for executing the rectangular wave control of the motor based on the output of the rotational position sensor which is corrected by the correction means.
2. The motor control apparatus according to claim 1, wherein the correction means corrects the output of the rotational position sensor considering a change in a voltage phase command that decides a period during which a voltage is applied to each phase of the motor when the voltage phase command is changed.
3. The motor control apparatus according to claim 1, wherein the correction means corrects the output of the rotational position sensor considering a change in a rotational speed of the rotor when the rotational speed is changed.
4. The motor control apparatus according to claim 3, wherein the correction means corrects the output of the rotational position sensor considering a change in a rotational speed of the rotor by using a time required for rotating the rotor one time in a previous control cycle and a time required for rotating the rotor one time in a present control cycle.
5. The motor control apparatus according to claim 1, wherein the correction means corrects the output of the rotational position sensor considering a change in a voltage phase command that decides a period during which a voltage is applied to each phase of the motor and a change in a rotational speed of the rotor.
6. The motor control apparatus according to claim 5, wherein the correction means corrects the output of the rotational position sensor considering a change in a rotational speed of the rotor by using a time required for rotating the rotor one time in a

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